

Declaration and Power of Attorney for Patent Application

As below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names,

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **SOFTWARE ANALYSIS TOOL FOR CDMA SYSTEM**, the specification of which

☒ is attached hereto.

(Check one)

☐ was filed on _____ as
Application Serial Number _____
and was amended on _____
(if applicable)

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to us which is material to patentability (as defined in C.F.R. §1.56) in connection with the examination of this application.

We hereby claim foreign benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

NONE (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> YES	<input type="checkbox"/> NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> YES	<input type="checkbox"/> NO
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/> YES	<input type="checkbox"/> NO

Declaration and Power of Attorney for Patent Application

We hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

NONE

(Application Serial No.)

(Filing Date)

(Status: Patented/Pending/Abandoned)

(Application Serial No.)

(Filing Date)

(Status: Patented/Pending/Abandoned)

Power of Attorney: As a named inventor, I hereby appoint the following agents/attorneys to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

David G. Matthews
Reg. No. 33,959

Dang Vo
Reg. No. 45,183

And I also hereby appoint the Attorneys and Patent Agents of **Coats & Bennett, P.L.L.C.**, as identified by **Customer Number 24112** in the records of the United States Patent and Trademark Office and as updated from time to time, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.



1 234567 890123 456789 012345 678901

Send Correspondence to:

Michael D. Murphy

Direct Calls to:

Michael D. Murphy

Declaration and Power of Attorney for Patent Application

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SOLE OR FIRST INVENTOR:

Full name: Juan J. Silva
First Name Middle Name/Initial Last Name

Signature: _____ Date: _____
First Name Middle Name Last Name Year-Month-Day

Residence: San Diego, California United States
City, State, and Country

Citizenship: Argentina

Post Office Address: 10859 Caminito Alvarez, San Diego, CA 92126

SECOND INVENTOR, IF ANY:

Full name: Todd Ruth
First Name Middle Name/Initial Last Name

Signature: _____ Date: _____
First Name Middle Name Last Name Year-Month-Day

Residence: Valley Center, California United States
City, State, and Country

Citizenship: United States

Post Office Address: 30219 Cole Grade Road, Valley Center, CA 92082

Declaration and Power of Attorney for Patent Application

THIRD INVENTOR, IF ANY:

Full name: Reza Shahidi
First Name Middle Name/Initial Last Name

Signature: _____ Date: _____
First Name Middle Name Last Name Year-Month-Day

Residence: San Diego, California United States
City, State, and Country

Citizenship: Iran

Post Office Address: 5070 Seachase Street, San Diego, CA 92130

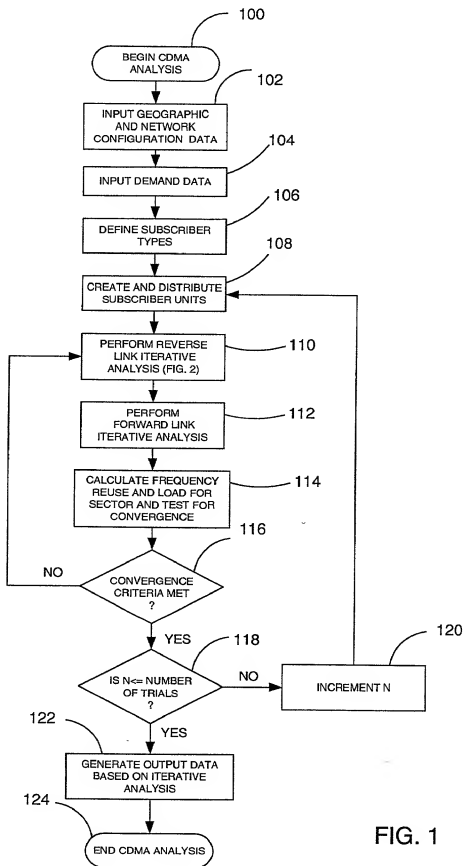


FIG. 1

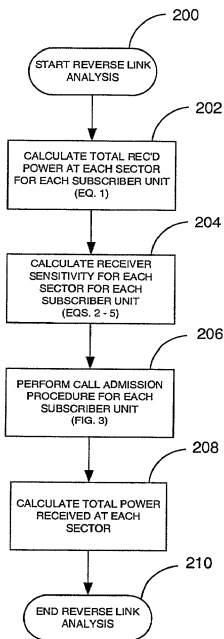
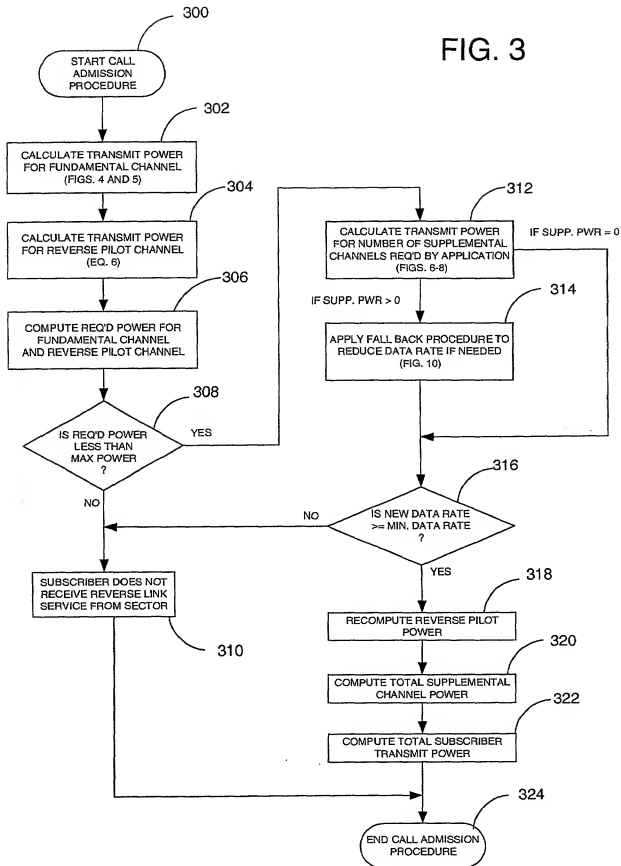


FIG. 2

FIG. 3



0606369.062901

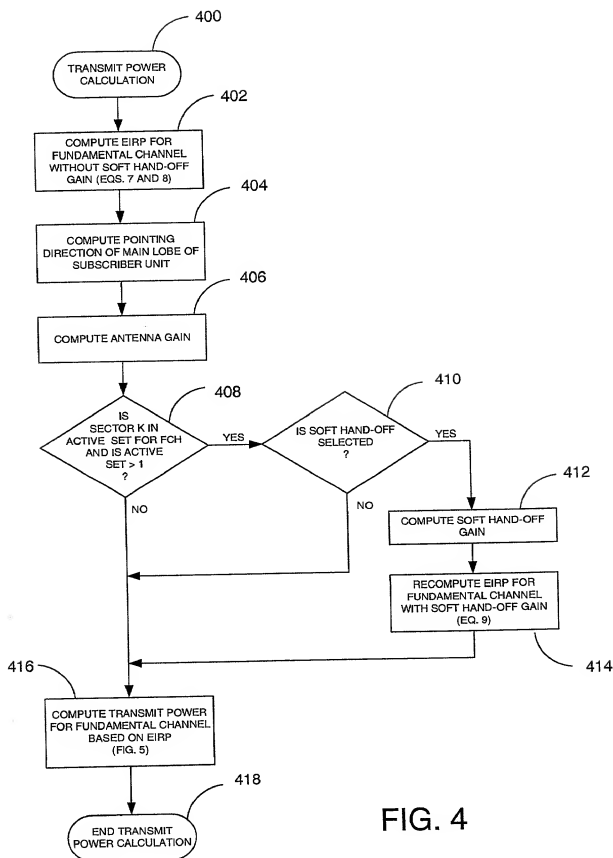


FIG. 4

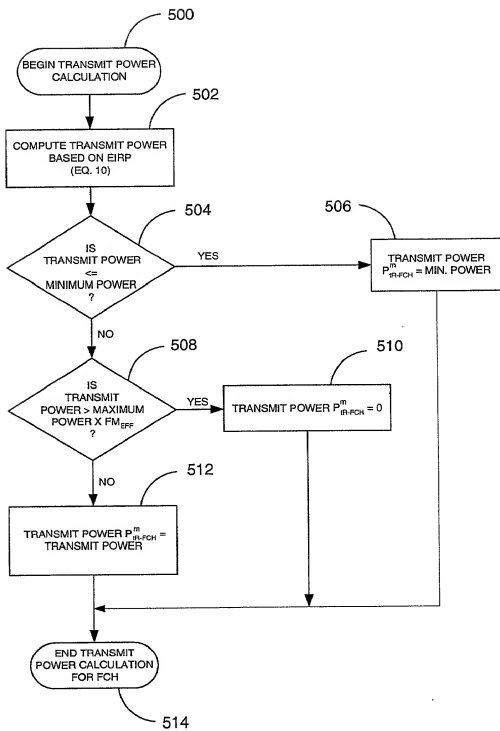
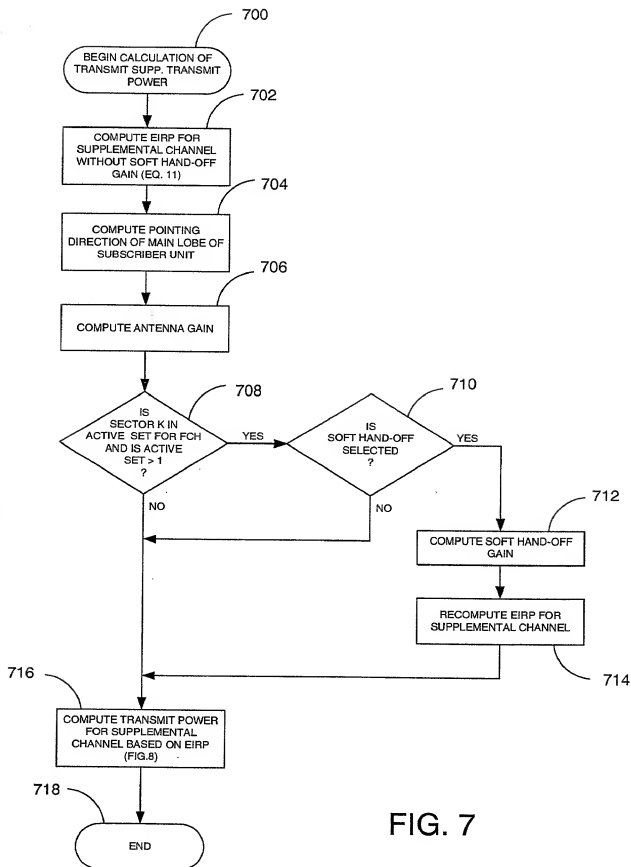


FIG. 5

```
graph TD; 600([BEGIN CALCULATION OF SUPP. TRANSMIT POWER]) --> 602[602 CALCULATE TRANSMIT POWER FOR ONE SUPPLEMENTAL CHANNEL (FIG. 7)]; 602 --> 604{604 IS SUPPLEMENTAL TRANSMIT POWER > 0?}; 604 -- YES --> 610[610 CALCULATE NUMBER (N<sub>MAX SUPP.</sub>) OF SUPP. CHANNELS REQ'D BY APPLICATION (FIG. 9)]; 610 --> 612[612 CALCULATE TOTAL POWER FOR NUMBER OF SUPP. CHANNELS REQ'D BY APPLICATION]; 612 --> 614[614 RETURN TO BLOCK 314 OF CALL ADMISSION PROCEDURE]; 604 -- NO --> 606[606 UPDATE DATA RATE]; 606 --> 608[608 RETURN TO BLOCK 316 OF CALL ADMISSION PROCEDURE];
```

FIG. 6

FIG. 6



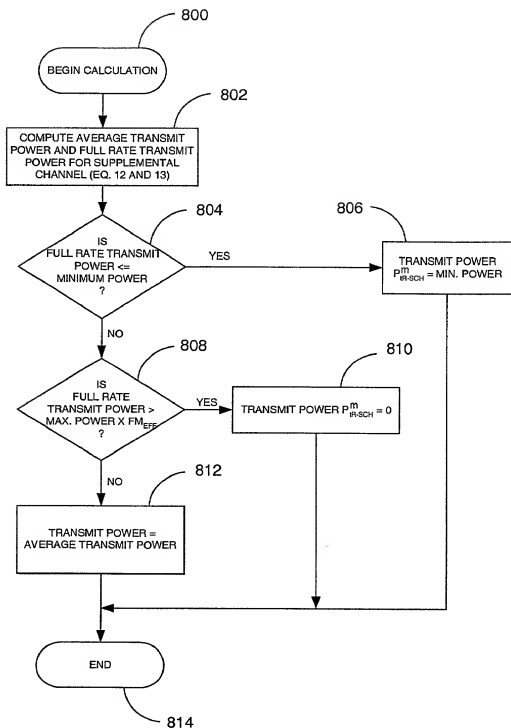


FIG. 8

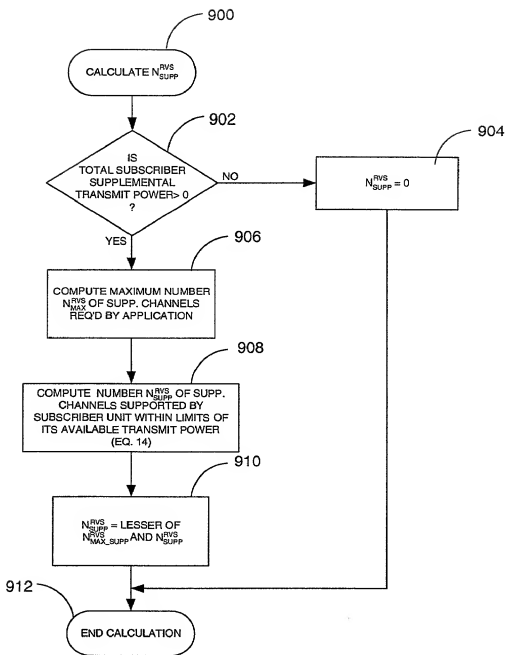


FIG. 9

106290.6936893

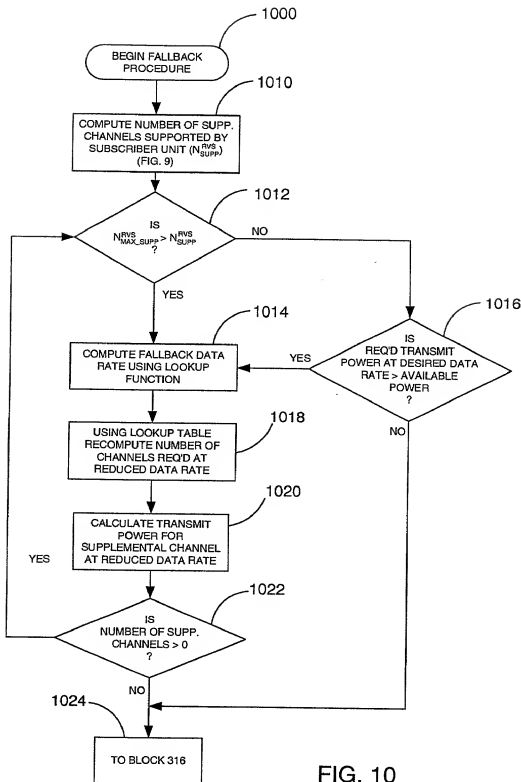
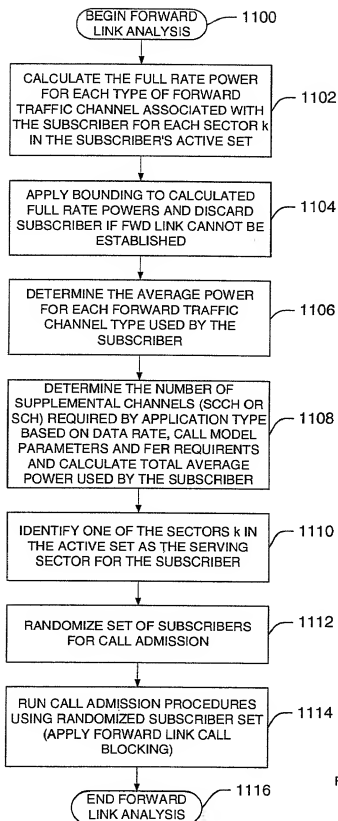


FIG. 10

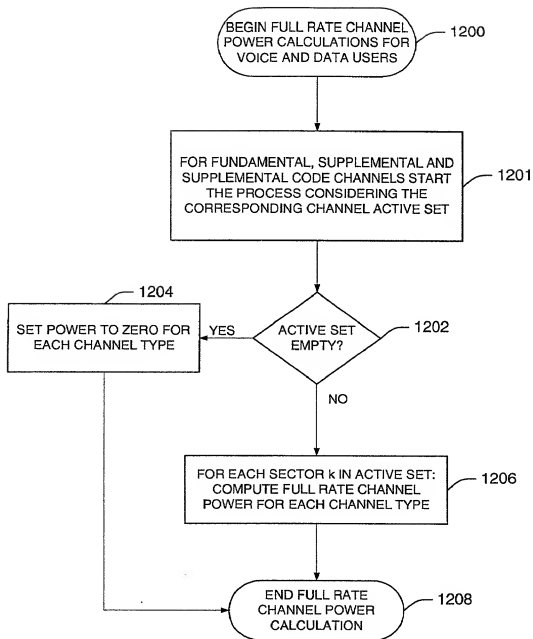
FALLBACK PROCEDURE

2009-06-09



FORWARD LINK
ANALYSIS
OVERVIEW
FIG. 11

106290.6926650



FULL RATE FORWARD
TRAFFIC CHANNEL
CALCULATIONS
FIG. 12

106290.062901

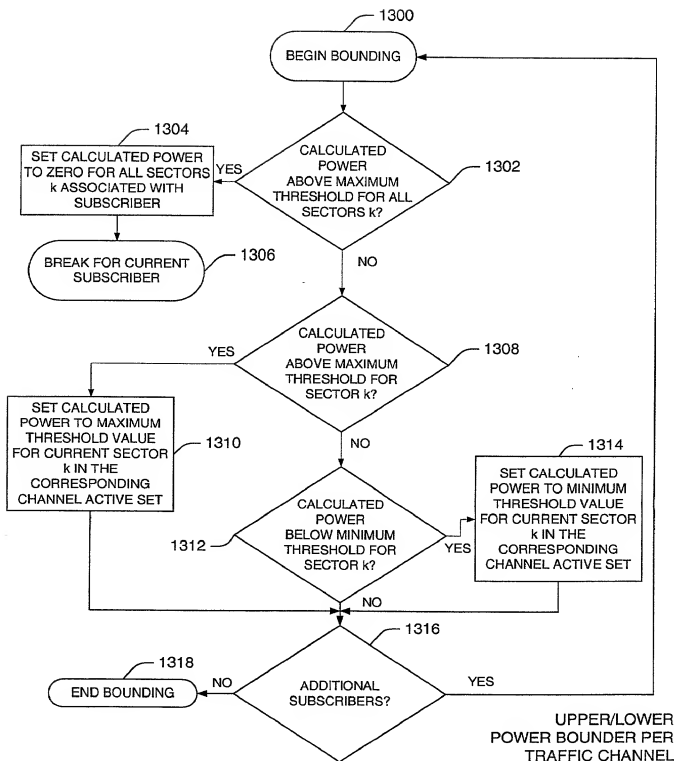
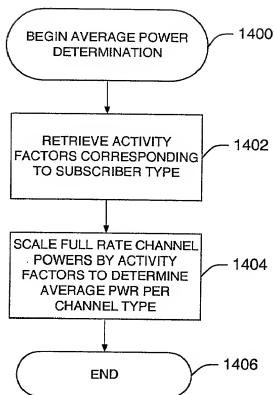
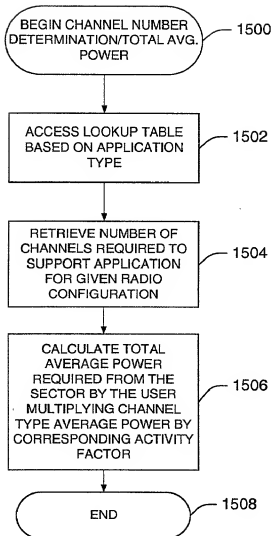


FIG. 13

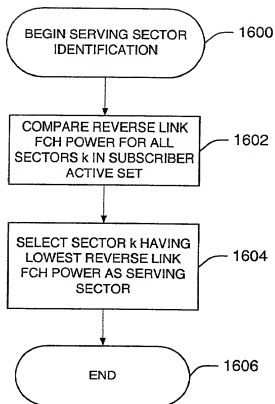
0590-6826



DETERMINE AVERAGE
POWER PER FORWARD
CHANNEL TYPE
FIG. 14



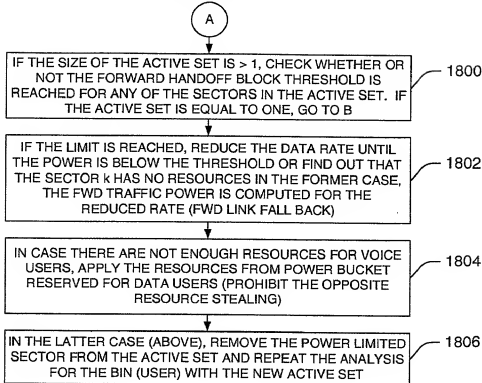
DETERMINE TOTAL
AVERAGE POWER PER
SUBSCRIBER
FIG. 15



IDENTIFY SERVING
SECTOR FOR TWO-
WAY
COMMUNICATIONS PER
SUBSCRIBER

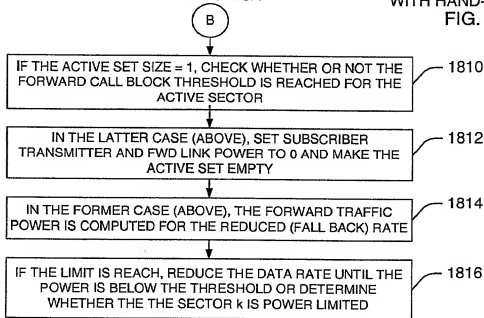
FIG. 16

FROM FIG. 17



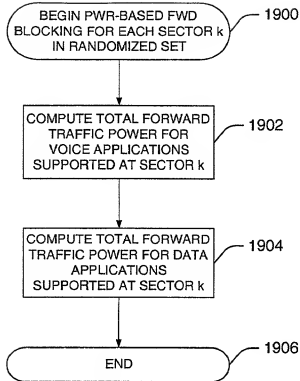
FROM FIG. 18A

CALL BLOCKING
WITH HAND-OFF
FIG. 18A



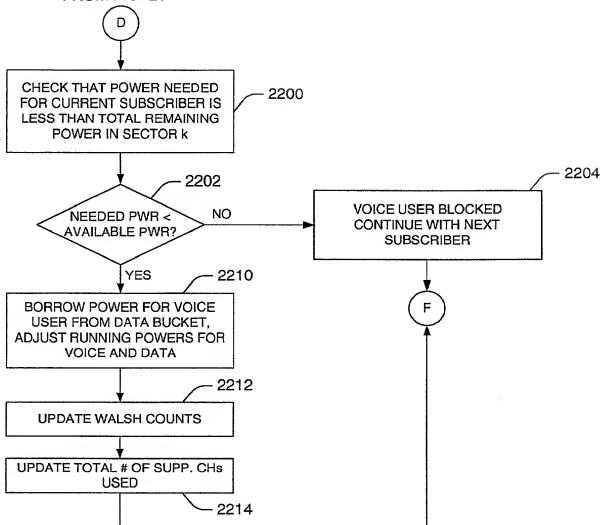
CALL BLOCKING, NO
HAND-OFF
FIG. 18B

00000000-00000000



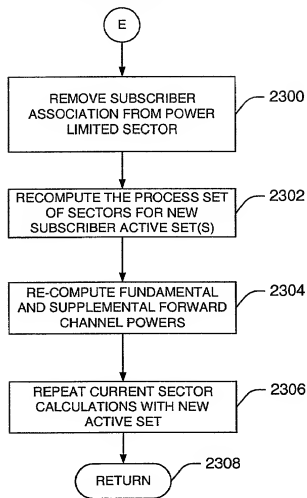
TOTAL VOICE AND
DATA PWR PER
SECTOR
FIG. 19

FROM FIG. 21



VOICE SUBSCRIBER
CALL ADMISSION VOICE
BUCKET CHECK
FIG. 22

FROM FIG. 21
OR FIG. 22



REMOVE POWER
LIMITED SECTOR
FIG. 23

FROM 2006, FIG. 20
(OPERATIONS OF 2008,
FORWARD BLOCKING
WITH NO HANDOFF)

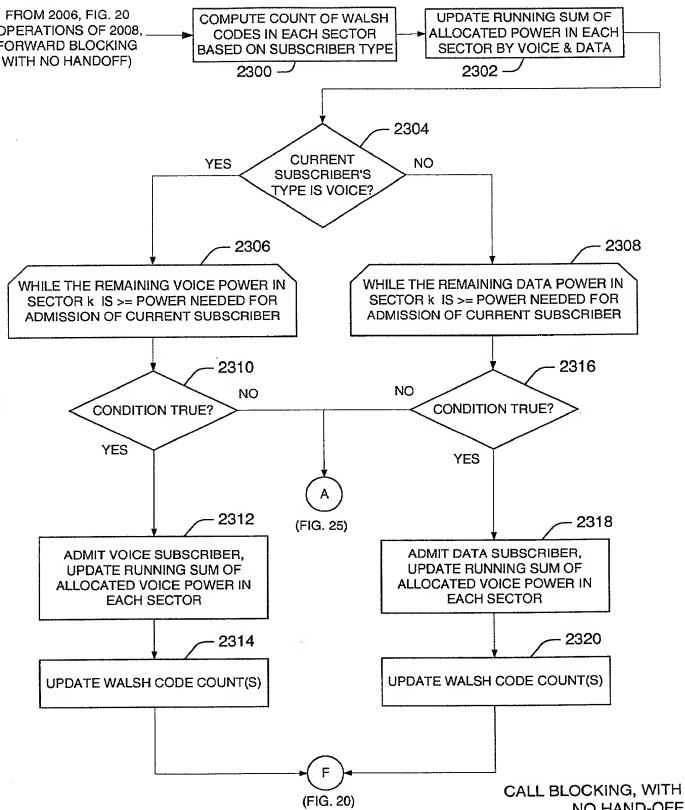
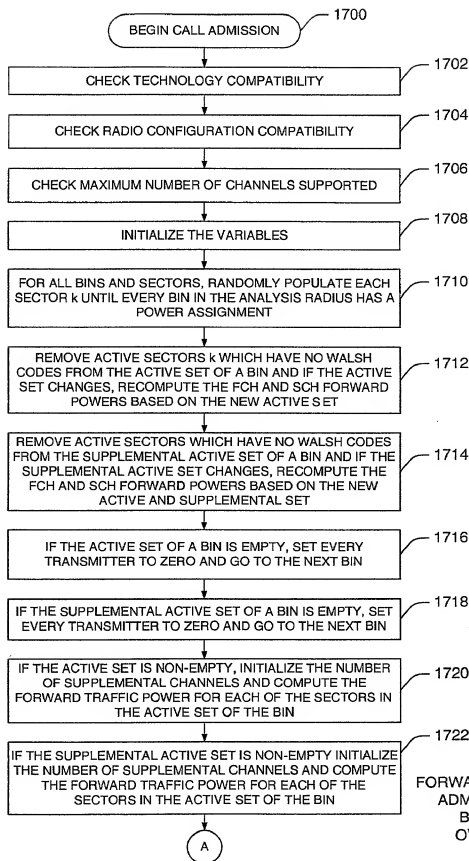
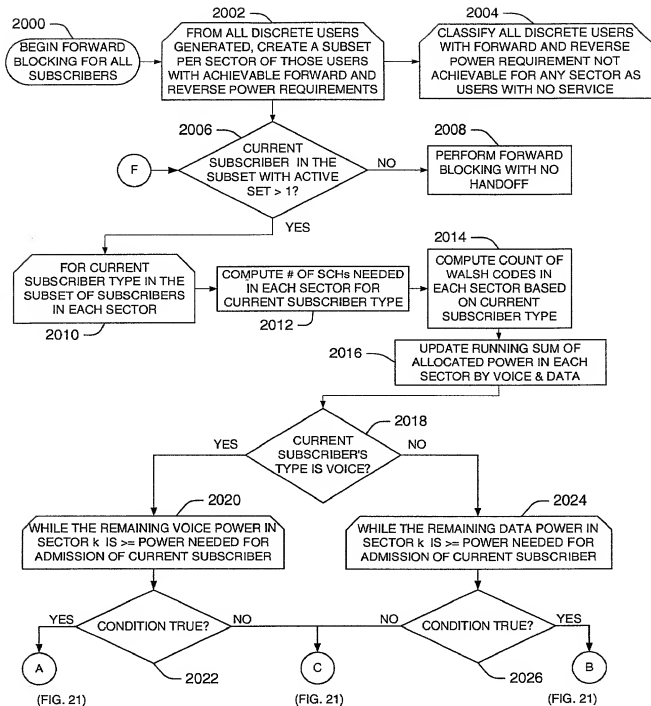


FIG. 24

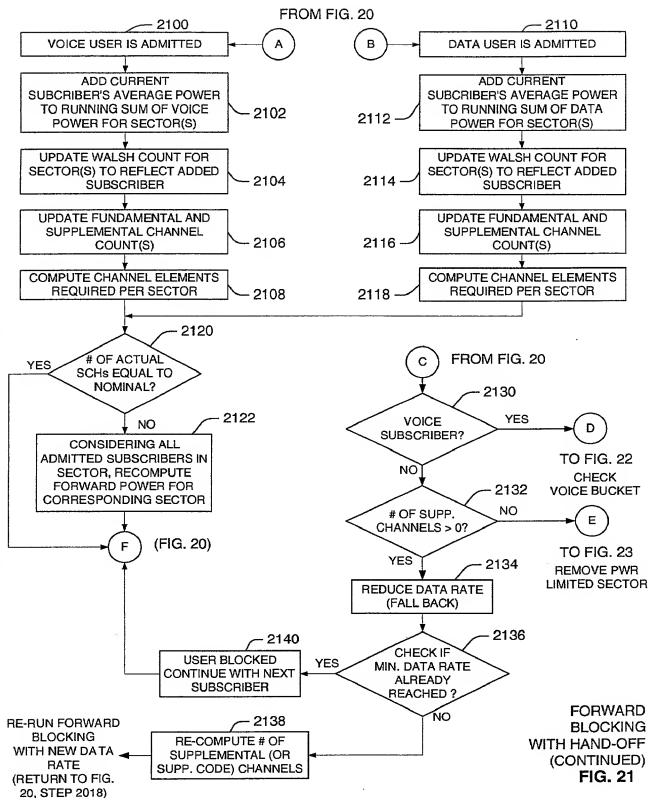


FORWARD CALL
ADMISSIONS/
BLOCKING
OVERVIEW
FIG. 17

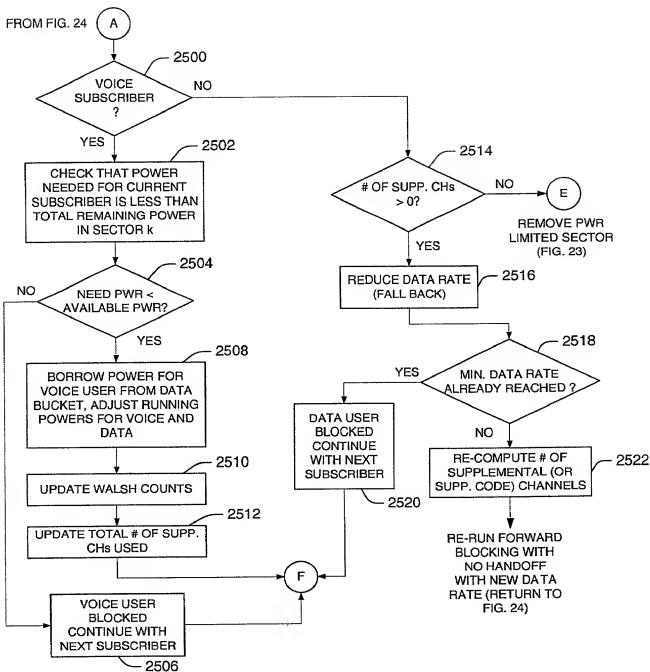


FORWARD BLOCKING
DETAILS (WITH
HAND-OFF)
FIG. 20

106290-9950000



FROM FIG. 24



CHECK VOICE BUCKET
(BLOCKING WITH NO
HAND-OFF CONTINUED)

FIG. 25

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(Number)	(Country)	(Day/Month/Year Filed)	YES	NO
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	YES	NO
_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>
(Number)	(Country)	(Day/Month/Year Filed)	YES	NO

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(Application Serial No.)

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Full name: Juan J. Silva
First Name Middle Name/Initial Last Name

Signature: _____ Date: _____
First Name Middle Name Last Name Year-Month-Day

Residence: San Diego, California United States
City, State, and Country

Citizenship: Argentina

Post Office Address: 10859 Caminito Alvarez, San Diego, CA 92126

Full name: Todd Ruth
First Name Middle Name/Initial Last Name

Signature: _____ Date: _____
First Name Middle Name Last Name Year-Month-Day

Residence: Valley Center, California United States
City, State, and Country

Citizenship: United States

Post Office Address: 30219 Cole Grade Road, Valley Center, CA 92082

Declaration and Power of Attorney for Patent Application

THIRD INVENTOR, IF ANY:

Full name: Reza Shahidi
First Name Middle Name/Initial Last Name

Signature: _____ Date: _____
First Name Middle Name Last Name Year-Month-Day

Residence: San Diego, California United States
City, State, and Country

Citizenship: Iran

Post Office Address: 5070 Seachase Street, San Diego, CA 92130